

and

establishing a communication link connecting said information processing apparatus to the predetermined apparatus based on said telephone number if a predetermined position on said displayed information is indicated and said predetermined position is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

REMARKS

Favorable reconsideration of this application, in view of the following comments and as presently amended, is respectfully requested.

Claims 1, 2, 4, 5, 7, 8, 10-21, and 23-25 are pending in this application. Claims 1-5 were rejected under 35 U.S.C. § 103(a) as unpatentable over RFC 1738 "Uniform Resource Locators (URL)", 1994 (herein "RFC 1738") and further in view of U.S. patent 6,275,490 to Mattaway et al. (herein "Mattaway"). Claims 7, 8, 12, 17-19, and 23-25 were rejected under 35 U.S.C. § 103(a) as unpatentable over Mattaway and further in view of RFC 1738. Claim 10 was rejected under 35 U.S.C. § 103(a) as unpatentable over Mattaway. Claim 11 was rejected under 35 U.S.C. § 103(a) as unpatentable over Mattaway and further in view of U.S. patent 5,732,133 to Mark. Claim 13 was rejected under 35 U.S.C. § 103(a) as unpatentable over Mattaway and further in view of U.S. patent 4,585,904 to Mincone et al. (herein "Mincone"). Claims 14-16 were rejected under 35 U.S.C. § 103(a) as unpatentable over Mattaway and further in view of U.S. patent 5,835,724 to Smith.

Addressing now the above-noted rejections, each of the above-noted rejections is traversed by the present response.

It is initially noted that each of the independent claims is amended by the present response to clarify a feature recited therein. Specifically, each of the amended claims now recites:

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

As is discussed in the present specification, and with reference to Figure 1 in the present specification as one example, a communication can be established between different PCs 1 and either an IP server 5, SP server 3 to access the Internet 4, or alternatively directly to a telephone apparatus such as the computer 6, the fax-information providing apparatus 7, the telephone set 8, etc. With such an alternate connection essentially the Internet 4 can be by-passed so that communication can be established without passing through certain servers, to avoid communication over any unregulated segment. Such an operation can enhance security.²

The clarified claims are believed to clearly distinguish over the applied art.

In each of the outstanding rejections, either Mattaway, RFC 1738, or a combination of Mattaway and RFC 1738 are provided as the primary bases for the outstanding rejections. However, the claims as currently written clearly distinguish over the applied art as neither Mattaway nor RFC 1738, and thereby no combination of Mattaway in view of RFC 1738, disclose or suggest communicating the specifically recited information in either a first

²Such subject matter is discussed in the present specification at page 29, line 12 et seq., as a non-limiting example.

communication mode connecting to a server apparatus or a second communication mode connecting to a telephone apparatus, by using a same telephone line.

It is also noted that the outstanding rejection is not based on either Mattaway or RFC 1738 disclosing such subject matter.

Further, none of the further cited references to Mark, Mincone, or Smith is believed to overcome the above-noted deficiencies of Mattaway and RFC 1738.

In such ways, the claims as currently written are believed to distinguish over the applied art.

As no other issues are pending in this application, it is respectfully submitted that the present application is now in condition for allowance, and it is hereby respectfully requested that this case be passed to issue.

Respectfully submitted,

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IN THE CLAIMS

Please amend the below-noted claims as follows:

--1. (Four Times Amended) A recording medium configured to record information described in a language usable for describing link destinations, wherein said information includes:

a telephone number assigned to a line connected to a predetermined apparatus as a link destination; and

a designation of a communication method defining communication with said predetermined apparatus via said line;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

4. (Four Times Amended) A transmission medium configured to transmit information described in a language usable for describing link destinations, wherein said information includes:

a telephone number assigned to a line connected to a predetermined apparatus as a

link destination; and

a designation of a communication method defining communication with said predetermined apparatus via said line;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

7. (Four Times Amended) An information processing apparatus configured to process information described in a language usable for describing link destinations, said apparatus comprising:

a) a receiver configured to receive said information transmitted by an information providing apparatus, the information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with the predetermined apparatus;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

b) a display configured to display said information received by said receiver;

c) a command device configured to specify a predetermined position in said information displayed by said display; and

d) a communication controller configured to establish a communication link with the

predetermined apparatus, governed by the communication method, and based on the telephone number if said predetermined position specified by said command device is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

10. (Four Times Amended) An information processing apparatus configured to process information described in a language usable for describing link destinations, said apparatus comprising:

a) a receiver configured to receive said information transmitted by an information providing apparatus, the information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with said predetermined apparatus via said line;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

b) a display configured to display said information received by said receiver;

c) a command device configured to specify a predetermined position in said information displayed by said display;

d) a communication controller configured to establish a communication link with the predetermined apparatus based on the telephone number, if said predetermined position specified by said command device is associated with said telephone number; and

e) a telephone-number selector configured to select one from a plurality of telephone numbers in case plural telephone numbers are associated with said predetermined position, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

11. (Four Times Amended) An information processing apparatus configured to process information described in a language usable for describing link destinations, said apparatus comprising:

a) a receiver configured to receive said information transmitted by an information providing apparatus, the information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with said predetermined apparatus via said line;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

b) a display configured to display said information received by said receiver;

c) a command device configured to specify a predetermined position in said information displayed by said display;

d) a communication controller configured to establish a communication link with the predetermined apparatus based on the telephone number, if said predetermined position specified by said command device is associated with said telephone number; and

e) a number adder configured to add a number required for international communication to a telephone number in case said telephone number is a telephone number of a foreign country, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

13. (Four Times Amended) An information processing apparatus configured to process information described in a language usable for describing link destinations, said apparatus comprising:

a) a receiver configured to receive said information transmitted by an information providing apparatus, the information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with said predetermined apparatus via said line;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

b) a display configured to display said information received by said receiver;

c) a command device configured to specify a predetermined position in said information displayed by said display; and

d) a communication controller configured to establish a communication link with the predetermined apparatus based on the telephone number, if said predetermined position specified by said command device is associated with said telephone number;

wherein said display also displays an estimated charge for a telephone call to communicate with said predetermined apparatus, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

14. (Four Times Amended) An information processing apparatus configured to process information described in a language usable for describing link destinations, said apparatus comprising:

a) a receiver configured to receive said information transmitted by an information providing apparatus, the information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with said predetermined apparatus via said line;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

b) a display configured to display said information received by said receiver;

c) a command device configured to specify a predetermined position in said information displayed by said display; and

d) a communication controller configured to establish a communication link with the predetermined apparatus based on the telephone number, if said predetermined position specified by said command device is associated with said telephone number;

wherein:

said receiver receives said information transmitted by said information providing apparatus by way of a predetermined network after a communication link connecting said information processing apparatus to said predetermined network has been established;

said communication controller establishes a communication link connecting said information processing apparatus to said predetermined apparatus after a line connecting said information processing apparatus to said predetermined network has been cut off; and

said communication link connecting said information processing apparatus to said predetermined network is reestablished after communication with said predetermined apparatus has been completed, and

said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

15. (Four Times Amended) An information processing apparatus configured to process information described in a language usable for describing link destinations, said apparatus comprising:

a) a receiver configured to receive said information transmitted by an information providing apparatus, the information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with said predetermined apparatus via said line;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

- b) a display configured to display said information received by said receiver;
- c) a command device configured to specify a predetermined position in said information displayed by said display; and
- d) a communication controller configured to establish a communication link with the predetermined apparatus based on the telephone number, if said predetermined position specified by said command device is associated with said telephone number;

wherein:

said receiver receives said information transmitted by said information providing apparatus by way of a predetermined network after a communication link connecting said information processing apparatus to said predetermined network has been established; and

in case an attempt made by said communication controller to establish a communication link connecting said information processing apparatus to said predetermined apparatus after cutting off a line connecting said information processing apparatus to said predetermined network ends in a failure, either an attempt to establish a communication link connecting said information processing apparatus to said predetermined apparatus is again made or said communication link connecting said information processing apparatus to said predetermined network is re-established, and

said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

17. (Four Times Amended) A method for processing incoming information described in a language usable for describing link destinations, said method comprising:
receiving and displaying said information transmitted by an information providing

apparatus, said information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with the predetermined apparatus;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations; and

establishing a communication link with the predetermined apparatus based on said telephone number if a predetermined position on said displayed information is indicated and said predetermined position is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

18. (Four times Amended) A recording medium configured to store a computer program to be executed by an information processing apparatus configured to process information described in a language usable for describing link destinations, said program comprising:

receiving and displaying said information transmitted by an information providing apparatus, said information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with

the predetermined apparatus;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

and

establishing a communication link connecting said information processing apparatus to the predetermined apparatus based on said telephone number if a predetermined position on said displayed information is indicated and said predetermined position is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

19. (Four Times Amended) A transmission medium configured to transmit a computer program to be executed by an information processing apparatus configured to process information described in a language usable for describing link destinations, said program comprising:

receiving and displaying said information transmitted by an information providing apparatus, said information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with the predetermined apparatus;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

and

establishing a communication link connecting said information processing apparatus to the predetermined apparatus based on said telephone number if a predetermined position on said displayed information is indicated and said predetermined position is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

20. (Four Times Amended) An information providing apparatus comprising:

a recording medium configured to store information described in a language usable for describing link destinations; and

a transmitter configured to transmit said information in response to a request, wherein said information stored in said recording medium includes:

1) a telephone number assigned to a line connected to a predetermined apparatus as said link destination; and

2) a designation of a communication method defining communication with the predetermined apparatus;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a

telephone apparatus, by using a same telephone line.

23. (Four Times Amended) An information processing system comprising:

a) an information providing apparatus configured to provide information described in a language usable for describing link destinations, said information providing apparatus including:

a recording medium for storing information including (1) a telephone number assigned to a line connected to a predetermined apparatus as said link destination and (2) a designation of a communication method defining communication with the predetermined apparatus; wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations; and

a transmitter configured to transmit said information in response to a request received from an information processing apparatus,

b) said information processing apparatus, configured to receive and process said information, said information processing apparatus including:

a receiver configured to receive said information transmitted by said information providing apparatus;

a display configured to display said information received by said receiver;

a command device configured to specify a predetermined position in said information displayed by said display; and

a communication controller configured to establish a communication link connecting said information processing apparatus to the predetermined apparatus based on the telephone number if said predetermined position specified by said command device is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

24. (Three Times Amended) An Internet appliance apparatus configured to process information described in a language usable for describing link destinations, said apparatus comprising:

a) a receiver configured to receive said information transmitted by an information providing apparatus, the information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with the predetermined apparatus;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

b) a display configured to display said information received by said receiver;

c) a command device configured to specify a predetermined position in said information displayed by said display; and

d) a communication controller configured to establish a communication link with the predetermined apparatus, governed by the communication method, and based on the telephone number if said predetermined position specified by said command device is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode

connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.

25. (Three Times Amended) A Web Browser program to be executed by an information processing apparatus configured to process information described in a language usable for describing link destinations, said program comprising:

receiving and displaying said information transmitted by an information providing apparatus, said information including:

1) a telephone number assigned to a line connected to a predetermined apparatus; and

2) a designation of a communication method defining communication with the predetermined apparatus;

wherein the telephone number and the communication method designation are embedded in text using tags in the language usable for describing link destinations;

and

establishing a communication link connecting said information processing apparatus to the predetermined apparatus based on said telephone number if a predetermined position on said displayed information is indicated and said predetermined position is associated with said telephone number, and

wherein said information is communicated by a predetermined information processing apparatus that has first and second communication modes, the first communication mode connecting to a server apparatus and the second communication mode connecting to a telephone apparatus, by using a same telephone line.--